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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO	
10/065,663	11/07/2002	Man-Chun Hu	ALIP0010USA	8008	
27765	7590 08/13/2003				
NAIPO (NORTH AMERICA INTERNATIONAL PATENT OFFICE) P.O. BOX 506 MERRIFIELD, VA 22116			EXAMINER		
			TOLEDO, FERNANDO L		
			ART UNIT	PAPER NUMBER	
		•	2823		
		DATE MAILED: 08/13/2003			

Please find below and/or attached an Office communication concerning this application or proceeding.

	•	Application No).	Applicant(s)				
Office Action Summary		10/065,663		HU ET AL.				
		Examiner		Art Unit				
		Fernando Tole	do	2823				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address P riod for Reply								
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). - Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).								
Status 1)⊠	Despensive to communication(s) filed on 07 A	lavambar 2002						
1)⊠ 2a)⊟	Responsive to communication(s) filed on <u>07 November 2002</u> . This action is FINAL . This action is non final.							
3)	This action is FINAL . 2b) This action is non-final. Since this application is in condition for allowance except for formal matters, prosecution as to the merits is							
closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213. Disposition of Claims								
4) Claim(s) 1-16 is/are pending in the application.								
4a) Of the above claim(s) is/are withdrawn from consideration.								
5)⊠ Claim(s) <u>1-12</u> is/are allowed.								
6)⊠ Claim(s) <u>13 and 16</u> is/are rejected.								
7)🖂	7)⊠ Claim(s) <u>14 and 15</u> is/are objected to.							
·	Claim(s) are subject to restriction and/or	r election requir	ement.					
Application	·							
<u> </u>	The specification is objected to by the Examiner							
10)⊠ The drawing(s) filed on <u>07 November 2002</u> is/are: a)⊠ accepted or b) objected to by the Examiner.								
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner. If approved, corrected drawings are required in reply to this Office action.								
12) The oath or declaration is objected to by the Examiner.								
Priority under 35 U.S.C. §§ 119 and 120								
13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).								
a)⊠ All b)□ Some * c)□ None of:								
•	1.⊠ Certified copies of the priority documents	s have been red	ceived.					
:	2. Certified copies of the priority documents have been received in Application No							
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.								
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).								
a) The translation of the foreign language provisional application has been received.								
15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121. Attachment(s)								
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s)								

DETAILED ACTION

Specification

1. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

The following title is suggested: Vertical Metal-on-Metal Capacitor with Conductive Plate for Preventing Parasitic Capacitance and Method of Making the Same.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 3. Claims 13 and 16 are rejected under 35 U.S.C. 102(e) as being anticipated by Sowlati et al. (U. S. patent 6,570,210 B1).

In re claim 13, Sowlati, in the U. S. patent 6,570,210 B1; figures 1-9 and related text, discloses providing a semiconductor substrate 21; providing a conductive plate 44 on the semiconductor substrate, wherein the conductive plate is electrically isolated from the semiconductor substrate (Figure 6); providing a plurality of first capacitor members B and second capacitor members A insulated from the first capacitor members over the conductive plate (Figure 6), wherein the first capacitor member is arranged in parallel with the second

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capacitor member and encompasses the second capacitor member to form an integrated capacitor (Figure 6); electrically isolating the first capacitor members from the underlying conductive plate (Figure 6); and electrically connecting the second capacitor members with the underlying conductive plate (Figure 6).

4. In re claim 16, Sowlati discloses wherein the first capacitor member and the second capacitor member are arranged in a symmetric manner to form a matching capacitor unit (Figure 6).

Claim Objections

5. Claims 14 and 15 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Allowable Subject Matter

- 6. Claims 1 12 are allowed over the prior art of record.
- 7. The following is a statement of reasons for the indication of allowable subject matter: Sowlati substantially discloses the claimed invention.

However, Sowlati does not disclose, teach or suggests, that the vertical plates of the capacitor are formed by conductive slabs using multiple conductive via plugs to connect the vertical slabs. Sowlati discloses forming vertical pillars instead of slabs, which are patentably different from the vertical slabs claimed in the present application.

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Conclusion

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Fernando Toledo whose telephone number is 703-305-0567. The

examiner can normally be reached on Mon-Fri 8am to 4pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Olik Chaudhuri can be reached on 703-306-2794. The fax phone numbers for the

organization where this application or proceeding is assigned are 703-308-7382 for regular

communications and 703-308-7382 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding

should be directed to the receptionist whose telephone number is 703-308-0956.

George Føurson

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Primary Examiner

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August 1, 2003